**Employee Form Database Design**

**Employee Table -**

CREATE TABLE Employee ( EmployeeId int NOT NULL IDENTITY(1,1) PRIMARY KEY,

Name varchar(255) NOT NULL,

EmployeeImage varchar(100) NOT NULL,

Email varchar(255) NOT NULL,

Mobile varchar(10) NOT NULL,

Gender varchar(10) NOT NULL CHECK (Gender IN('Male', 'Female', 'Other')),

Age int NOT NULL,

DOB date NOT NULL,

CreatedAt datetime NOT NULL ,

CreatedBy int NOT NULL,

UpdatedAt datetime ,

UpdatedBy int ,

IsActive bit default 0,

CONSTRAINT UQ\_Created\_By UNIQUE(CreatedBy),

CONSTRAINT UQ\_Updated\_By UNIQUE(UpdatedBy)

);

Insert queries ->

INSERT INTO Employee(Name,EmployeeImage,Email,Mobile,Gender,Age,DOB,CreatedAt,CreatedBy,IsActive)

VALUES('Jack Sparrow','C:\Users\Icon\Employee\emp1.jpg',

'jack@gmail.com','1234567890','Male',37,'01/08/1993 12:00:00','02/05/2022 12:00:00',

1,1);

INSERT INTO Employee(Name,EmployeeImage,Email,Mobile,Gender,Age,DOB,CreatedAt,CreatedBy,IsActive)

VALUES('Piyush Khairnar','C:\Users\Icon\Employee\emp2.jpg',

'ashwin@gmail.com','8308002130','Male',23,'01/15/2001 12:00:00','02/07/2022 12:00:00',

4,1);

INSERT INTO Employee(Name,EmployeeImage,Email,Mobile,Gender,Age,DOB,CreatedAt,CreatedBy,IsActive)

VALUES('Karishma Chavan','C:\Users\Icon\Employee\emp4.jpg',

'karishma@gmail.com','1234567890','Female',22,'01/05/2002 12:00:00','02/07/2022 12:00:00',

5,1);

INSERT INTO Employee(Name,EmployeeImage,Email,Mobile,Gender,Age,DOB,CreatedAt,CreatedBy,IsActive)

VALUES('Omkar Yadav','C:\Users\Icon\Employee\emp3.jpg',

'omkar@gmail.com','1234567890','Male',23,'01/05/2001 12:00:00','02/07/2022 12:00:00',

6,1);

**Country Table -**

CREATE TABLE Country(CountryId int IDENTITY(1,1) PRIMARY KEY, CountryName varchar(100) NOT NULL)

INSERT INTO Country(CountryName) values('India');

INSERT INTO Country(CountryName) values('USA');

INSERT INTO Country(CountryName) values('UK');

INSERT INTO Country(CountryName) values('Japan');

INSERT INTO Country(CountryName) values('Australia');

INSERT INTO Country(CountryName) values('France');

**State Table -**

CREATE TABLE State ( StateId int IDENTITY(1,1) PRIMARY KEY,

StateName varchar(100) NOT NULL, CountryId int,

FOREIGN KEY (CountryId) REFERENCES Country(CountryId) )

INSERT INTO State(StateName,CountryId) VALUES(‘Maharashtra',1)

INSERT INTO State(StateName,CountryId) VALUES('Aandhra Pradesh',1)

INSERT INTO State(StateName,CountryId) VALUES('Tamilnadu',1)

INSERT INTO State(StateName,CountryId) VALUES('UP',1)

INSERT INTO State(StateName,CountryId) VALUES('California',2)

INSERT INTO State(StateName,CountryId) VALUES('Wales',3)

**City Table -**

CREATE TABLE CITY ( CityId int IDENTITY(1,1) PRIMARY KEY,

CityName varchar(255) NOT NULL, StateId int NOT NULL,

FOREIGN KEY (StateId) REFERENCES State(StateId))

INSERT INTO City(CityName,StateId) VALUES('Pune',1)

INSERT INTO City(CityName,StateId) VALUES('Amravati',1)

INSERT INTO City(CityName,StateId) VALUES('Amravati',2)

INSERT INTO City(CityName,StateId) VALUES('Chennai',3)

INSERT INTO City(CityName,StateId) VALUES('San Francisco',5)

**Education Table -**

CREATE TABLE Education( EducationId int IDENTITY(1,1) PRIMARY KEY,

CourseName varchar(255) NOT NULL)

INSERT INTO Education (CourseName) values('MCA');

INSERT INTO Education (CourseName) values('BE');

INSERT INTO Education (CourseName) values('MCS');

INSERT INTO Education (CourseName) values('BCA');

**EmployeeEducation Table -**

CREATE TABLE EmployeeEducation(EmployeeEducationId int IDENTITY(1,1) PRIMARY KEY,

EmployeeId int NOT NULL,

EducationId int NOT NULL,

CreatedAt datetime NOT NULL,

CreatedBy int NOT NULL,

UpdatedAt datetime,

UpdatedBy int,

CONSTRAINT FK\_Employee\_Id FOREIGN KEY (EmployeeId)

REFERENCES Employee(EmployeeId),

CONSTRAINT FK\_Education\_Id FOREIGN KEY (EducationId)

REFERENCES Education(EducationId),

CONSTRAINT FK\_Created\_By FOREIGN KEY (CreatedBy)

REFERENCES Employee(EmployeeId),

CONSTRAINT FK\_Updated\_By FOREIGN KEY (UpdatedBy)

REFERENCES Employee(EmployeeId) )

INSERT INTO EmployeeEducation(EmployeeId,EducationId,CreatedAt,CreatedBy) VALUES(1,1,CURRENT\_TIMESTAMP,1)

INSERT INTO EmployeeEducation(EmployeeId,EducationId,CreatedAt,CreatedBy) VALUES(1,4,CURRENT\_TIMESTAMP,1)

INSERT INTO EmployeeEducation(EmployeeId,EducationId,CreatedAt,CreatedBy) VALUES(9,1,CURRENT\_TIMESTAMP,9)

INSERT INTO EmployeeEducation(EmployeeId,EducationId,CreatedAt,CreatedBy) VALUES(4,2,CURRENT\_TIMESTAMP,4)

INSERT INTO EmployeeEducation(EmployeeId,EducationId,CreatedAt,CreatedBy) VALUES(5,3,CURRENT\_TIMESTAMP,5)

INSERT INTO EmployeeEducation(EmployeeId,EducationId,CreatedAt,CreatedBy) VALUES(9,4,CURRENT\_TIMESTAMP,9)

**Address Table -**

CREATE TABLE Address ( AddressId int IDENTITY(1,1) PRIMARY KEY,

Street1Name varchar(255) NOT NULL,

Street2Name varchar(255),

CityId int NOT NULL,

Zipcode int NOT NULL,

IsAddressPermanent bit default 0,

EmployeeId int NOT NULL,

CreatedAt datetime NOT NULL,

CreatedBy int NOT NULL,

UpdatedAt datetime,

UpdatedBy int,

CONSTRAINT FK\_City\_Id FOREIGN KEY (CityId)

REFERENCES City(CityId),

CONSTRAINT FK\_Address\_Employee\_Id FOREIGN KEY (EmployeeId)

REFERENCES Employee(EmployeeId),

CONSTRAINT FK\_Address\_Created\_By FOREIGN KEY (CreatedBy)

REFERENCES Employee(EmployeeId),

CONSTRAINT FK\_Address\_Updated\_By FOREIGN KEY (UpdatedBy)

REFERENCES Employee(EmployeeId)

)

INSERT INTO Address(Street1Name,Street2Name ,CityId ,Zipcode,IsAddressPermanent,EmployeeId,CreatedAt,CreatedBy)

VALUES('FC Road',null,1,411005,0,1,CURRENT\_TIMESTAMP,1)

INSERT INTO Address(Street1Name,Street2Name ,CityId ,Zipcode,IsAddressPermanent,EmployeeId,CreatedAt,CreatedBy)

VALUES('ABC Road','XYZ Road',2,417809,1,5,CURRENT\_TIMESTAMP,5)

INSERT INTO Address(Street1Name,Street2Name ,CityId ,Zipcode,IsAddressPermanent,EmployeeId,CreatedAt,CreatedBy)

VALUES('Rajnikant street',null,4,609906,0,4,CURRENT\_TIMESTAMP,4)

INSERT INTO Address(Street1Name,Street2Name ,CityId ,Zipcode,IsAddressPermanent,EmployeeId,CreatedAt,CreatedBy)

VALUES('Main road',null,3,411010,0,9,CURRENT\_TIMESTAMP,9)